

HQ10

High Performance
Passive Integrated
Transponder

Specification Sheet



SPECIFICATIONS		DESCRIPTION
BASE MODEL NUMBER		HQ10.00.01
ELECTRONICS		
OPERATING FREQUENCY		134.2kHz
CHIP TYPE		EM4305
MEMORY		512 bit EEPROM
READING DISTANCE		Dependent on Reader, Environment and Application
PHYSICAL		
DIMENSIONS		1.41 x 10mm
TAGGING METHOD		Subcutaneous
HOUSING MATERIAL		Bioglass – Laser Sealed – Strongest Glass in the Industry – Review Shock Test
CHEMICAL AND MECHANICAL		
WATER		IP68, 68° F (20° C), 3.3 ft (1 m) x 24 h
WITH STAND EXPOSURE TO		Alcohol, ammonium chloride 25%, fuel B, HCL 10%, salt water
ENVIRONMENTAL TEST CONDITIONS		68° F (20° C), 100 h
VIBRATION		IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]
SHOCK		IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]
THERMAL		
STORAGE		-40° to +194° F (-40° to +90° C), 1000 h
OPERATING		-13 °to +185° F (-25° to +85° C)
PEAK		248° F (120° C), 100 h; 284° F (140° C), 10 h
ISO STANDARD & WARRANTY		
STANDARDS		ISO 11784, ISO 11785 (FDX-B)
ICAR		900 Per ICAR Assignment for Voda IQ
MANUFACTURE		Voda IQ
WARRANTY		2 years



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